

# Engineered Solutions

# Measuring Head for Measuring Battery Connector

## Measurement Task

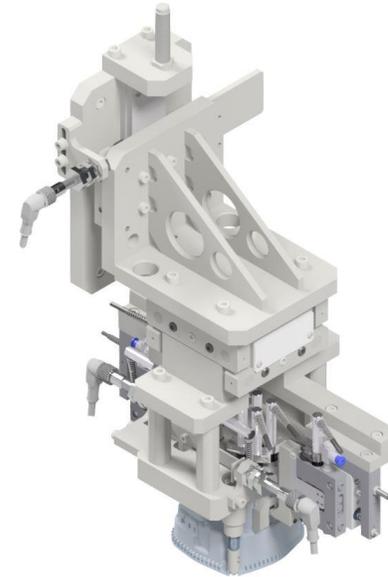
Dimensional features such as width, height, depth and clear width

## The Solution

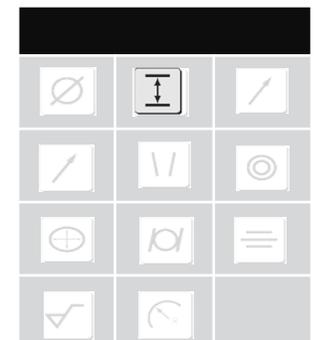
This solution is an OEM measuring head. This means that the measuring head is integrated as a measuring module in a production line. Upstream and downstream operations as well as workpiece handling and pre-alignment of the workpiece are solved in the superior system. For measurement, the measuring head is automatically fed in, the measuring probes are pneumatically applied and the measurement is carried out. The measuring head is designed with a floating bearing.

Alternatively, the measuring head can also be designed so that the component to be measured is inserted from above by a handling system.

The measuring results are exported to a QA database via a measuring computer and made available to the higher-level control system for further processes via a communication bus.



Automation:	inline
Main application:	e-mobility, battery
Reference No:	95



# OEM Measuring Station for Conrod Measurement

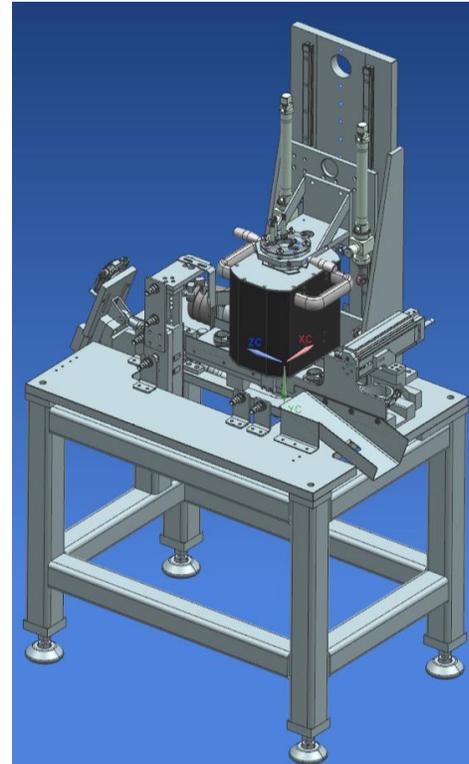
## Measurement Task

- Measurement diameter of large and small eye
- Distance between small and large eye
- Measurement of conrod twist and bend
- Inline measurement in the production cycle

## The Solution

This solution is designed for integration into a production line. Workpiece handling, infeed and outfeed, reject rejection, etc. is implemented by the customer. The automation of the measuring technology is part of the OEM measuring station.

After automatic insertion of the conrod, floating mounted measuring heads are positioned. The measuring task is then carried out, the measuring heads are retracted again and the workpiece is released for further transport. The measuring results are evaluated on a measuring computer and stored in a central QA database. The information necessary for further handling (e.g. "good" or "reject") is transmitted via Profibus to the higher-level control system.



Automation:	inline
Main application:	con-rod
Reference No:	96

